

In the Specification

In the specification, please amend the paragraph beginning at page 4, line 14 as follows:

Yet another object of the present invention is to provide a foot operated flushing system and method that can be integrally formed with formation of a toilet such that the toilet can be dual operated either by hand or by foot.

In the specification, please amend the paragraph beginning at page 5, line 17 as follows:

In another aspect, the invention is directed to a foot actuated pedal that includes a base plate having at least one opening. The pedal also includes a top plate pivotably attached to the base plate, a first roller attached to the top plate and a second roller attached to the base plate. The pedal includes a cable that has a first end and a second end. The first end of the cable is affixed to a position on the base plate internal to the pedal while the second end of the cable is affixed to a component of a device external to the pedal. In the present foot pedal, the cable extends at the first end from the position on the base plate, over the first roller of the top plate, around the second roller of the base plate and extends out the at least one opening of the base plate. In so doing, the cable extends into and is encased by a cable housing. The cable is connected at the second end to the component of the external device, such that, upon applying pressure by foot to the top plate of the pedal, a length of the cable is increased within the pedal and decreased by the length external to the pedal to effect a working

condition of the device. This device may include a variety of remotely operated ~~these~~ devices such ~~at~~as those normally found in a bathroom including, but not limited to, a hand drier, a towel dispenser, a soap dispenser, a sink, tub or shower, lights, to unlatch a door, to open a door and the like.

In the specification, please amend the paragraph beginning at page 5, line 17 as follows:

In still another aspect of the invention, ~~is~~is a method for foot actuated flushing of a toilet. The method includes providing a top plate of the pedal and attaching a first roller to the top plate. A base plate is also provided and a second roller is attached thereto. The top plate is then pivotably attached on top of the base plate. A toilet having a tank with an internal release means for flushing the toilet is provided, whereby a tank clamp is positioned on a backside edge of the tank such that a portion of the tank clamp extends into the tank. A cable is then positioned extending a first end of the cable from the base plate, over the first roller of the top plate, around the second roller of the base plate, extending out at least one opening of the base plate and into an interior of the tank at a backside of the toilet. The cable is held in place therein by the tank clamp. The second end of the cable is connected within the tank to the internal release means. Upon applying pressure by foot to the top plate, such top plate pivots, with respect to the base plate, to increase a distance between the first and second rollers and thereby increase a length of the cable within the pedal while simultaneously

decreasing an amount of cable within the tank by the length to activate the internal release means and effect flushing of the toilet.

In the specification, please amend the paragraph beginning at page 8, line 11 as follows:

Fig. 4B is an alternate side perspective view of the tank clamp of Fig. 4AFig 4A.

In the specification, please amend the paragraph beginning at page 9, line 20 as follows:

Referring to the drawings, the present foot flushing apparatus includes a foot pedal 10. As shown in Fig. 1A, foot pedal 10 includes a pedal lever or top plate 12 attached to a base plate 14, whereby the base plate has an opening 16 at a frontal portion thereof. Both the top plate and the base plate may be formed of a variety of shapes including, but not limited to, circular, oval, square, rectangular, and the like, as well as having a ~~differing~~differing design shapes that are esthetically appealing.

In the specification, please amend the paragraph beginning at page 11, line 8 as follows:

The use of a removable, non-invasive means for attaching the foot pedal to the floor is advantageous as ~~is it~~it does not require invasive drilling into a floor, such ~~a~~as a tile floor. Such removable, non-invasive means are also economically

efficient, easy to install, and easy to remove, such as for the removal or detachment of the foot pedal from the floor for cleaning thereof.

In the specification, please amend the paragraph beginning at page 13, line 7 as follows:

Preferably, the base plate 14 is attached to the top plate 12 via the pivot cylinder 26 with spring and first and second pins extending ~~there from~~therefrom. In so doing, the top plate 12 has on opposing sidewalls thereof receiving means (not shown), such as receiving means 23 described above. The receiving means of the top plate are positioned at a sufficient height and location on the top plate such that when the top plate is attached to the bottom plate, a bottom surface of the top plate makes contact with a top surface of the bottom plate. That is, these receiving means are located on sidewalls of the top plate in locations corresponding to where the pivot cylinder 26 pins will be located upon mounting the top plate to the base plate to allow for flushing of a toilet to which the foot pedal is attached, as discussed further below. In attaching the top plate to the base plate, the top plate is positioned over the bottom plate whereby the receiving means is aligned to the first and second pins extending outwardly from the pivot cylinder. Upon applying pressure to the plates for attachment thereof, the pins are received into the receiving means of the top plate and are guided into a secured, locked position via the sloped ramp of the receiving means. The bottom and top plates are then attached to each other in alignment. Upon actuation of the foot pedal 10 by a user, the top plate 12 is depressed downward such that the top

plate pivots with respect to the bottom plate via the pins extending from pivot cylinder 26.

In the specification, please amend the paragraph beginning at page 19, line 4 as follows:

Referring to ~~Fig.~~Figs. 5A-B, the positioning of the cable housing 40 and cable 30 at an angle by the tank clamp prevents weight 60 from contacting sidewalls within the tank, and in particular, the inner back wall of tank 110, as well as directs the cable 30, and optional weight 60, toward the internal water release flushing means within the toilet tank, such as, a flapper 115 in gravity toilet tank 110, or a flush button of a pressurized tank 215 in a pressurized toilet tank 210.

In the specification, please amend the paragraph beginning at page 23, line 10 as follows:

However, in the full actuated mode of the invention, Fig. 3B shows that this decrease of cable 30 within the toilet tank causes the weight 60 to be lifted such that the flapper 115 is also lifted for releasing water from the tank to flush the toilet. When the user's foot is removed, the foot pedal 10 is instantaneously and automatically reset by retuning to its original, starting non-actuated position as shown in Fig. 3A. The internal flushing mechanism typically resets once the water is flushed from the tank. In resetting the foot pedal, the weight 60 retracts down to its original starting position within the tank. This is accomplished via gravity pulling the weight 60 down to retract

the cable from the foot pedal, through the cable housing 40, and back into the toilet tank, thereby allowing the toilet and the present system to return back to their original positions, i.e., non-actuated or non-flushing mode. Also, the angled attachment of cable housing 40 within ~~tank 115~~tank 110, via tank clamp 50, prevents the weight 60 from contacting any internal walls within the tank. Further, by clamping the cable housing 40 and cable 30 at an angle via tank clamp 50 within the toilet tank, flushing in accordance with the invention is enhanced as a result of the decreased angle at which cable 30 is connected to the internal water release flushing means. Once both the foot pedal 10 and the internal flushing mechanism have been reset and returned to the original non-actuated mode, the toilet tank refills with water for reuse in accordance with the invention.

In the specification, please amend the paragraph beginning at page 24, line 6 as follows:

Again, the present invention is for use in a variety of differing type toilets including, but not limited to, gravity tank toilets, pressurized tank toilets, and flush valve operated toilets. For purposes of the invention, gravity tank toilets are those ~~toilet~~ toilets most commonly found in residential homes that depend on the volume of water in the tank to flush waste. Pressurized toilet tanks are those tanks that use water line pressure to achieve a higher flush velocity. In these systems, water is not stored inside the toilet tank itself, but rather, in an internal tank within the toilet tank that compresses a pocket of air and releases pressurized water into the toilet bowl and out the trapway

at the bottom of such bowl. Both gravity and pressurized toilet tanks may have a variety of differing hand-actuated flushing mechanisms, such as, a handle, lever, push button, and the like. The invention is useful for transforming those toilets operated (flushed) by pushing a button into toilets that are dual-operated, i.e., by foot and by push button. The present apparatus may be in kit form for transforming an existing toilet into one that is dual-operated, i.e., the hand-actuated flushing means remains in its original form for flushing and a foot operated flushing apparatus is added onto the existing toilet.

In the specification, please amend the paragraph beginning at page 24, line 22 as follows:

The present pedal with the cable extending ~~there from~~therefrom may also be used for foot actuated operation of flush valve toilets, such as those that not having a toilet tank, but rather a valve directly connected to the water supply plumbing out of a building, such as a urinal or those toilets commonly found in many public restrooms. In this aspect of the invention, the foot actuated system replaces the lever or handle of such toilets and with a dual activated handle and at least cable housing 40 and cable 30. In so doing, the cable housing 40 ends at an ~~an dual~~a dual activated handle (not exterior sidewall) of such toilet, and the cable 30 extends into the dual activated handle (not internal) flushing system of the toilet whereby it is directly connected to the internal flush valve for actuating flushing in accordance with such flush valve operated toilets. It should also be appreciated that the foot operated pedal of the present

invention is not limited to operating a toilet. It may be used to effect a working condition of a variety of remotely operated devices such as those found in a bath room including, but not limited to, a hand drier, a towel dispenser, a soap dispenser, a sink, tub or shower, lights, to unlatch a door, to open a door and the like.